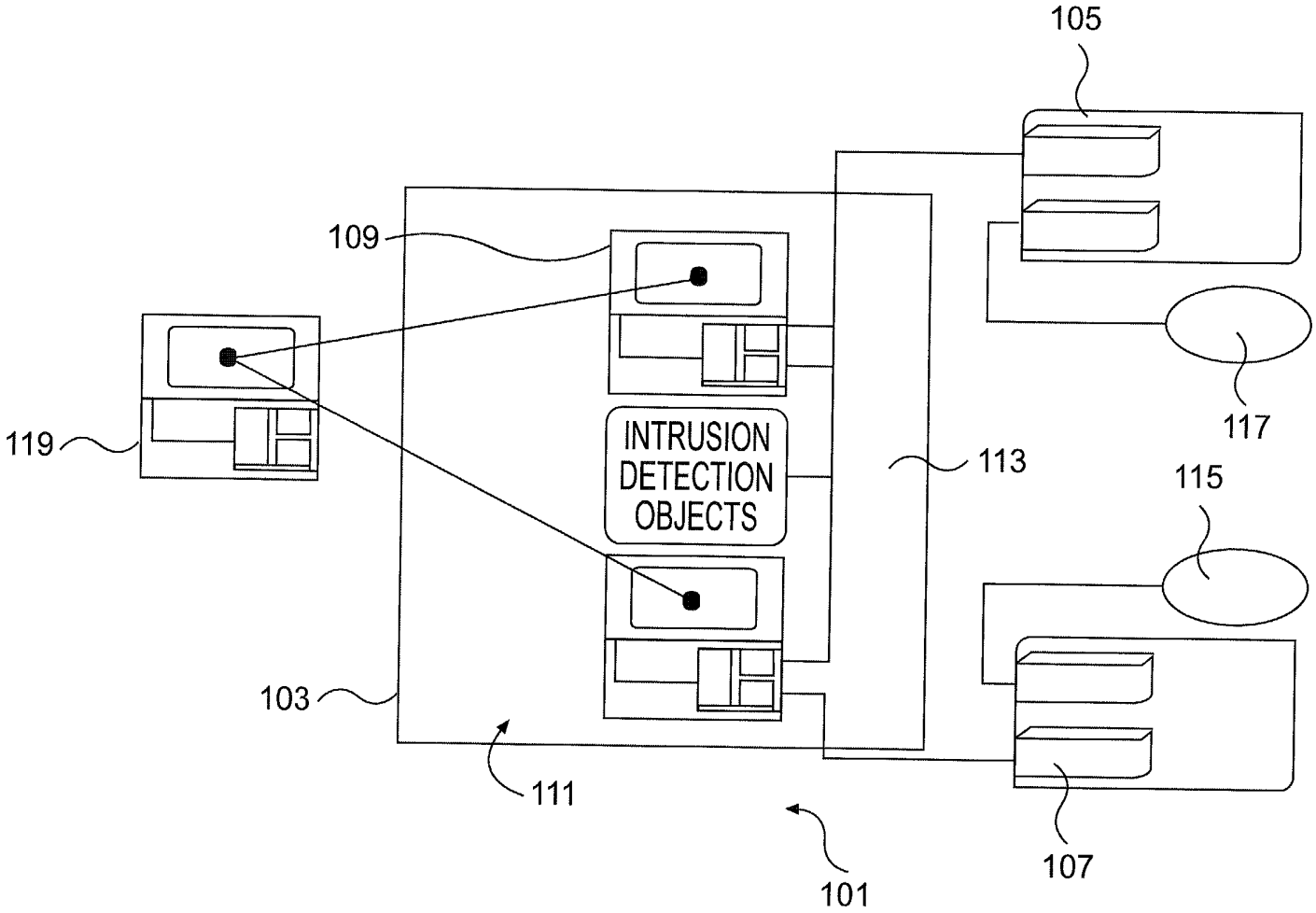
105
109
119
INTRUSION DETECTION OBJECTS
113
117
115
103
111
101
107

FIG. 1

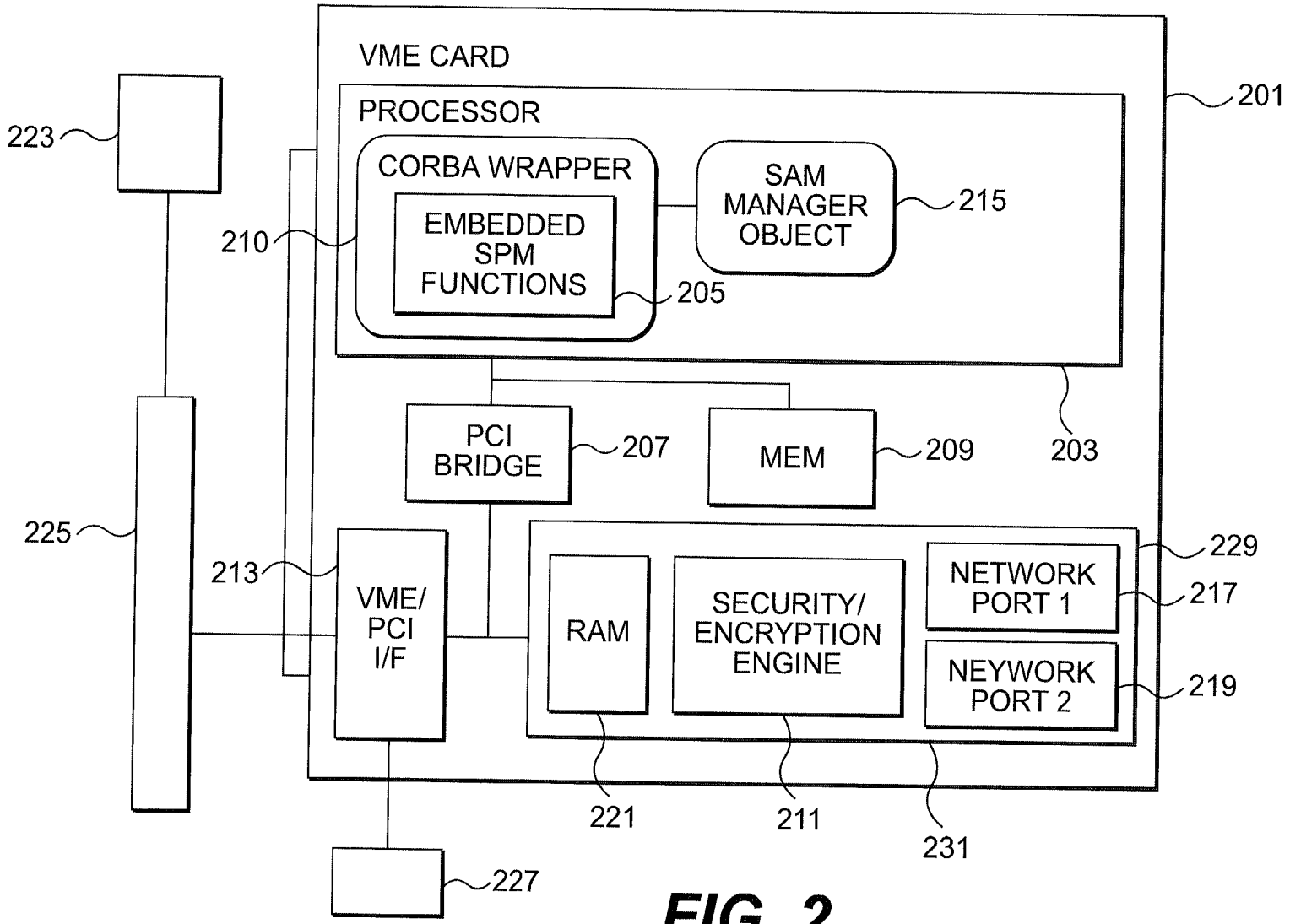
VME CARD
201
PROCESSOR
223
CORBA WRAPPER
SAM MANAGER OBJECT
215
210
EMBEDDED SPM FUNCTIONS
205
PCI BRIDGE
207
MEM
209
203
225
213
VME/ PCI I/F
229
RAM
SECURITY/ ENCRYPTION ENGINE
NETWORK PORT 1
217
NEYWORK PORT 2
219
221
211
231
227

FIG. 2

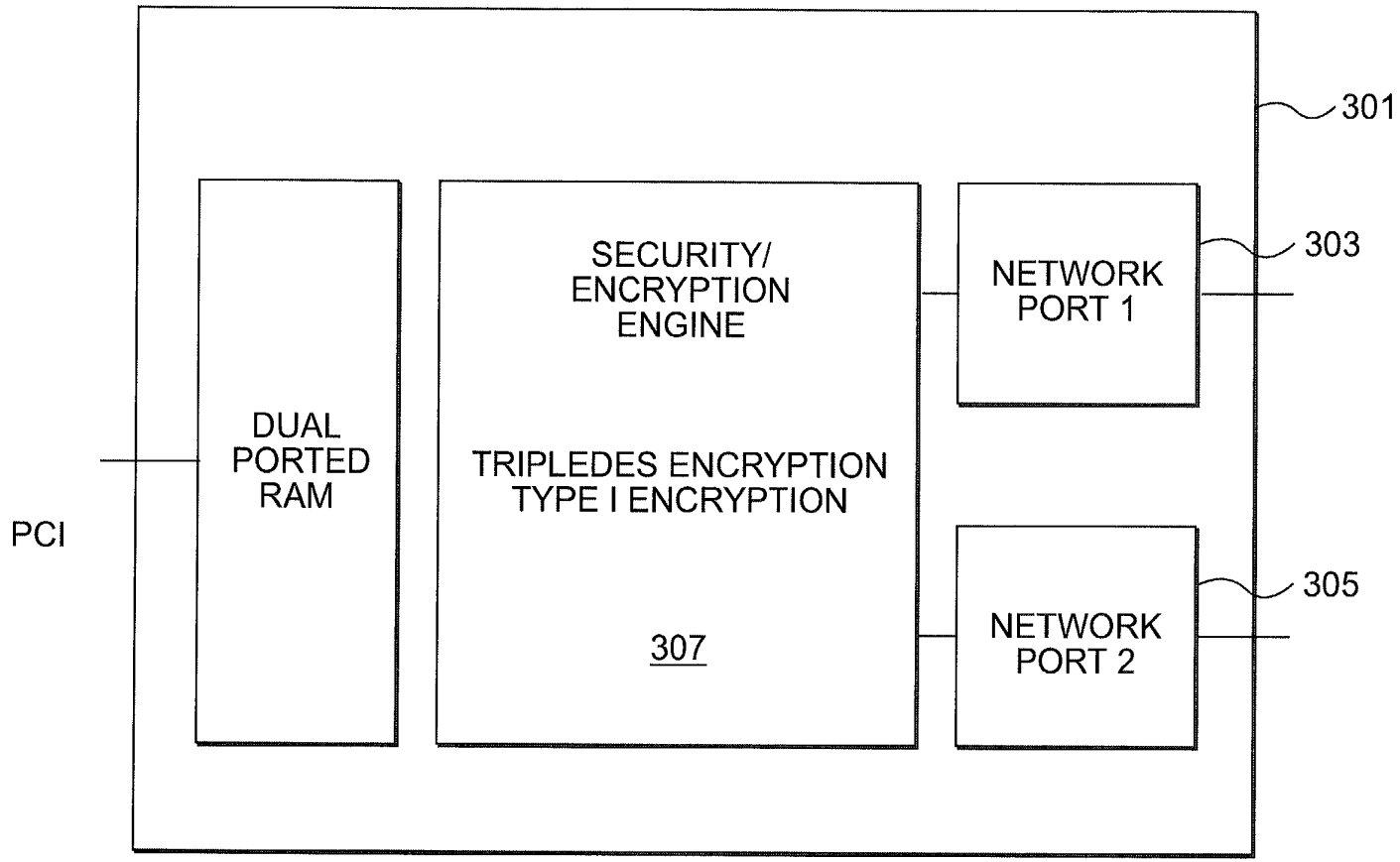
301
303
305
PCI
DUAL PORTED RAM
SECURITY/ ENCRYPTION ENGINE
TRIPLEDES ENCRYPTION
TYPE I ENCRYPTION
307
NETWORK PORT 1
NETWORK PORT 2

FIG. 3

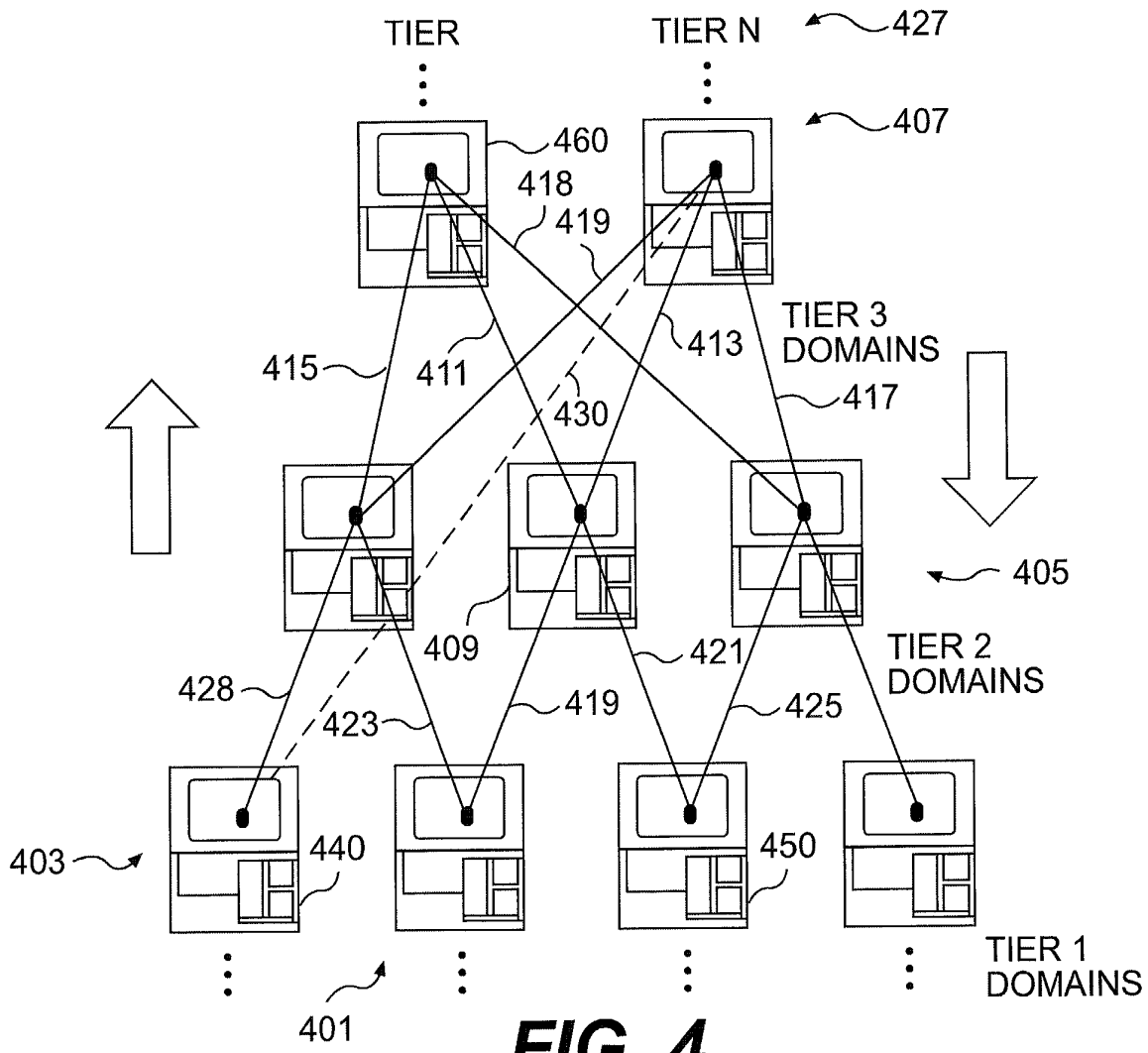
TIER
TIER N
427
407
460
418
419
TIER 3
DOMAINS
413
415
411
417
430
405
409
421
TIER 2
DOMAINS
428
423
419
425
403
440
450
TIER 1
DOMAINS
401

FIG. 4

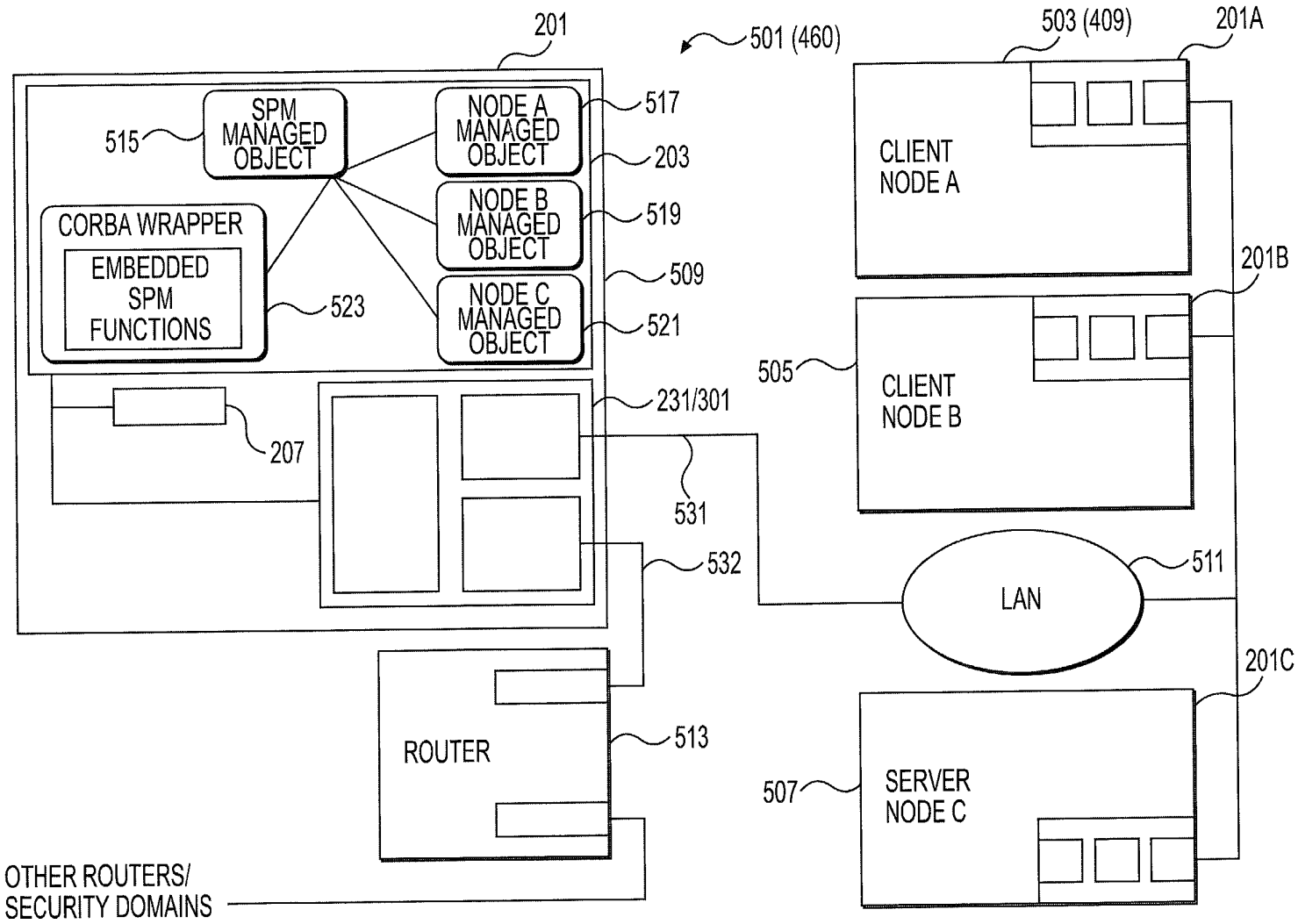
201
501 (460)
503 (409)
201A
SPM MANAGED OBJECT
515
NODE A MANAGED OBJECT
517
203
NODE B MANAGED OBJECT
519
509
NODE C MANAGED OBJECT
521
CORBA WRAPPER
EMBEDDED SPM FUNCTIONS
523
CLIENT NODE A
201B
505
CLIENT NODE B
207
231/301
531
532
LAN
511
201C
ROUTER
513
SERVER NODE C
507
OTHER ROUTERS/ SECURITY DOMAINS

FIG. 5

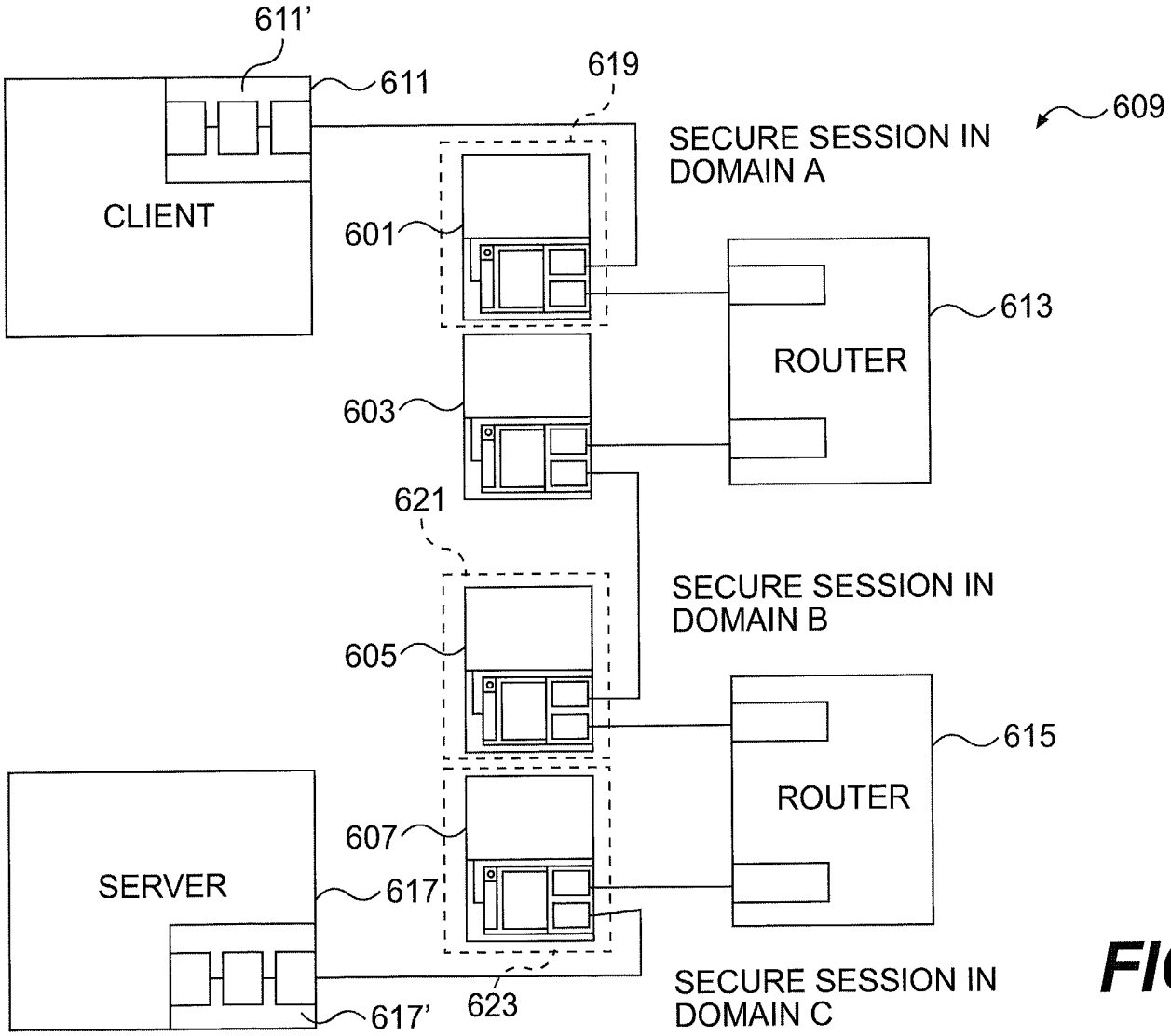
611'
611
619
609
SECURE SESSION IN DOMAIN A
CLIENT
601
613
ROUTER
603
621
SECURE SESSION IN DOMAIN B
605
615
ROUTER
607
SERVER
617
617'
623
SECURE SESSION IN DOMAIN C

FIG. 6

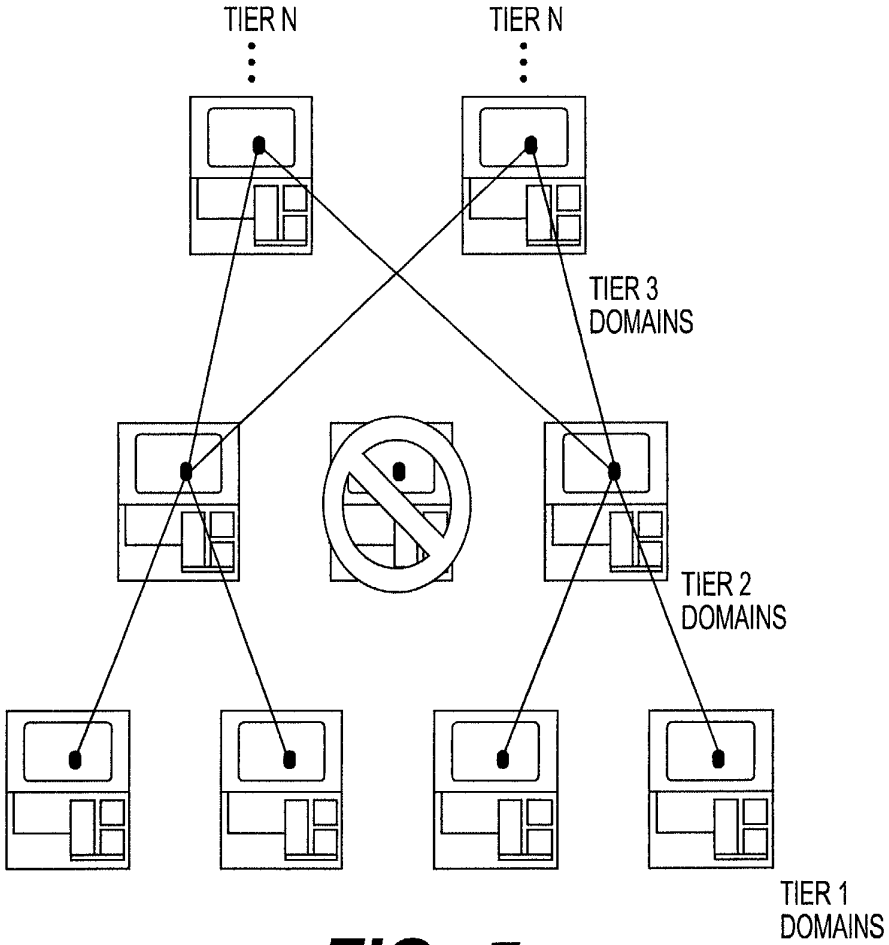

FIG. 7

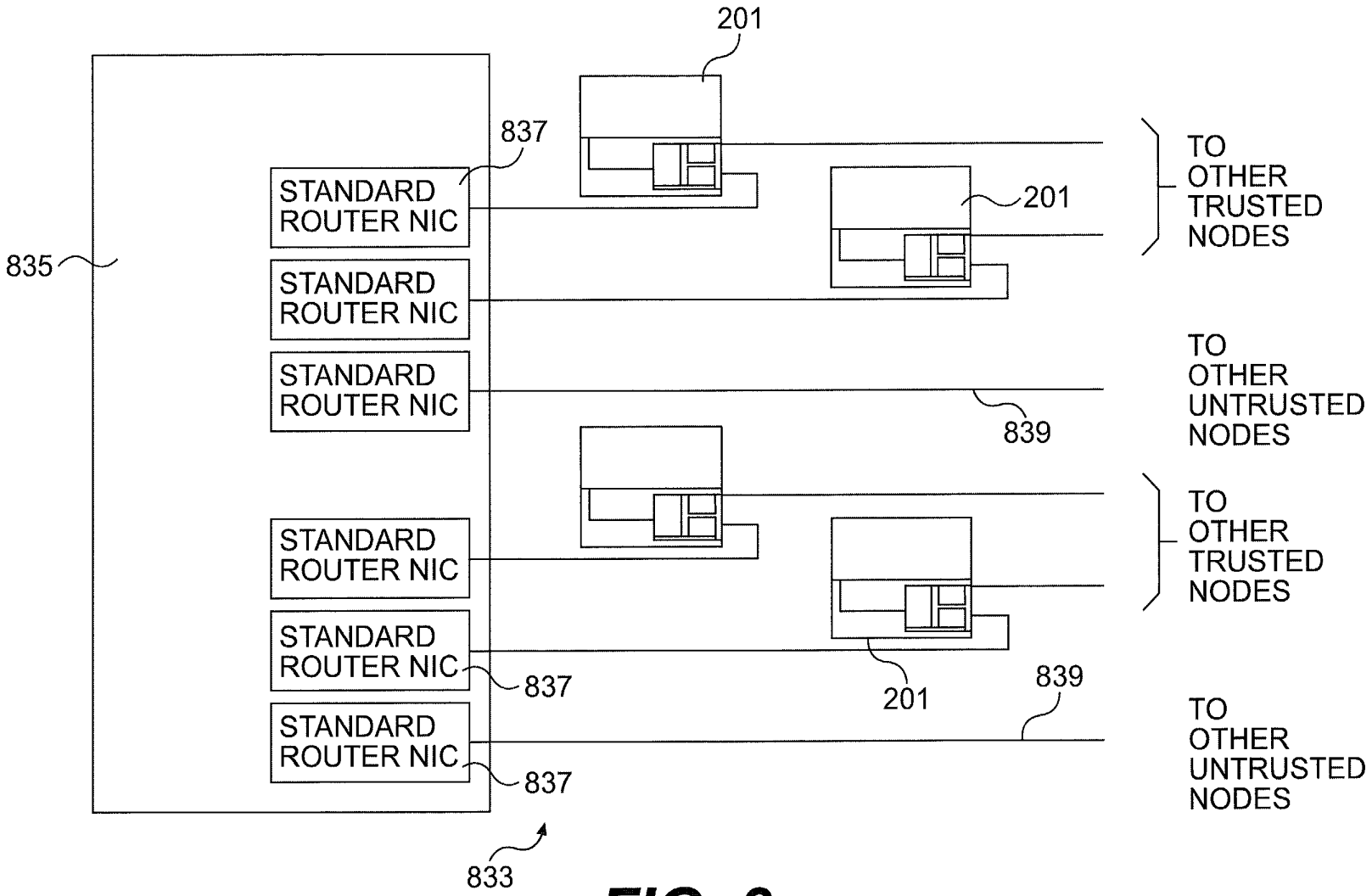
201
837
STANDARD ROUTER NIC
STANDARD ROUTER NIC
STANDARD ROUTER NIC
STANDARD ROUTER NIC
STANDARD ROUTER NIC
STANDARD ROUTER NIC
835
201
TO OTHER TRUSTED NODES
TO OTHER UNTRUSTED NODES
839
TO OTHER TRUSTED NODES
201
839
837
837
TO OTHER UNTRUSTED NODES
833

FIG. 8